Appl. no. 10/034,528 IDS dated October 31, 2007

Modified Form PTO/SB/08A

Substitute for form 1449	A /PTO	Co	omplete If Known
		Application Number	10/034,528
li de la companya de	ON DISCLOSURE	First Named Inventor	Eldridge et al.
STATEMENT	STATEMENT BY APPLICANT		December 27, 2001
(use as many s	heets as necessary)	Group Art Unit	2829
	•	Examiner Name	Paresh H. Patel
No. of Sheets: 1	No. of Refs.: 6	Attorney Docket No.	P6C3-US

	FOREIGN PATENT DOCUMENTS									
	Cite	Fore	ign Patent Do	ocument	Name of Patentee or	Publication	Сору	T⁵		
Initials	No.¹	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>	Applicant	Date	Enclosed			
/P.P./	1	JP	03-65659		Takeda Sang Yo KK	20-Mar-91	Yes	X		
/P.P./ /P.P./	2	JP	05-029406		Mitsubishi Electric Corp	5-Feb-93	Yes	Х		
PP/	3	JP	06-050990		NEC Corporation	25-Feb-94	Yes	X		

	(	OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENT	S	
Examiner Initials	Cite No.	Copy Enclosed	T²	
/P.P./	4	"Development of Manufacturing Process for Membrane Probe Card," Research Institute: Korea Institute: Korea Institute of Machinery & Materials, pp. 1-62, (1992), Korea.	Yes	X
/P.P./	5			Х
/P.P./	6	Korean Patent Court, 3 <sup>rd</sup> Division, Decision re: Invalidation, Case No. 2004 Heo 8756 Invalidation of Patent Registration, Phicom v. FormFactor, Inc.	Yes	X

Examiner Signature	/Paresh Patel/	Date Considered	01/05/2008
J.B.iatara		00	

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Appl. no. 10/034,528 IDS dated November 1, 2007

## Modified Form PTO/SB/08A

Substitute for form 1449	A /DTO	Ca	omplete If Known
		Application Number	10/034,528
<b>b</b>	ON DISCLOSURE	First Named Inventor	Eldridge et al.
STATEMENT	STATEMENT BY APPLICANT		December 27, 2001
(use as many s	sheets as necessary)	Group Art Unit	2829
	•	Examiner Name	Paresh H. Patel
No. of Sheets: 9	No. of Refs.: 309	Attorney Docket No.	P6C3-US

			U.S	. PATENT DOCUMENTS			
Exami Initia	iner Ils	Cite No.	U.S. Patent Document Number Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date	Related	Copy Enclosed
/P.P./	/ <b>.</b>	1	3,217,283	Shlesinger, Jr.	11/1/1965		No
	<del>// /                                 </del>		3,509,270	Dube et al.	4/28/1970		No
	1	3	3,616,532	Beck	11/2/1971		No
	T	4	3,795,037	Luttmer et al.	3/5/1974		No
	1	5	3,806,801	Bove	4/23/1974		No
		6	3,826,984 (Previously Submitted 7/10/02)	Epple	4/30/1974		No
		7	3,866,119	Ardezzone et al.	2/11/1975		No
	$\mathbf{I}$	8	3,911,361	Bove et al.	10/7/1975		No
		9	3,941,916	Morse	3/2/1976		No
	10 11 12 13 14	10	3,963,986 (Previously Submitted 5/25/04)	Morton et al.	6/15/1976		No
		11	4,027,935	Byrnes et al.	6/7/1977		No
		12	4,195,259	Reid et al.	3/25/1980		No
		13	4,251,772	Worsham et al.	2/17/1981		No
		14	4,295,700	Sado	10/20/1981		No
		15	4,312,117	Robillard et al.	1/26/1982		No
- 1		16	4,358,326	Doo	11/9/1982		No
- 1		17	4,396,935	Schuck	8/2/1983		No
		18	4,423,376	Brynes et al.	12/27/1983		No
		19	4,465,990	Gibson	8/14/1984		No
		20	4,506,215	Coughlin	3/19/1985		No
		21	4,563,640	Hasegawa	1/7/1986		No
		22	4,566,184	Higgins	1/28/1986		No
		23	4,567,433 (Previously Submitted 7/10/02)	Ohkubo et al.	1/28/1986		No
		24	4,593,243	Lao et al.	6/3/1986		No
		25	4,599,559	Evans	7/8/1986		No
		26	4,606,931	Olsen et a.	8/19/1986		No
		27	4,626,066	Levinson	12/2/1986		No
		28	4,667,219	Lee et al.	5/19/1987		No
		29	4,674,180	Zavracky et al.	6/23/1987		No
$\neg$	•	30	4,719,417	Evans	1/12/1988		No
1		31	4,752,590	Adams et al.	6/21/1988		No
		32	4,764,848	Simpson	8/16/1988		No
1		33	4,774,462	Black	9/27/1988		No
		34	4,784,972	Hatada et al.	11/15/1988		No
/p	.P./	35	4,793,814	Zifcak et al.	12/27/1988		No

		U.S	. PATENT DOCUMENTS		
Examiner	Cite	U.S. Patent	Name of Patentee or	Publication Related	Сору
Initials	No.	Document	Applicant	Date	Enclosed
		Number Kind Code <sup>2</sup>		4/2/4000	NI-
/P.P./	36	4,795,977 (Previously Submitted 11/25/02)	Frost et al.	1/3/1989	No
	37	4,816,754	Buechele et al.	3/28/1989	No
	38	4,837,622	Whann et al.	6/6/1989	No
	39	4,864,227	Sato	9/5/1989	No
	40	4,875,614	Cipolla et al.	10/24/1989	No
	41	4,885,126	Polonio	12/5/1989	No
	42	4,892,122	Ickes	1/9/1990	No
	43	4,897,598	Doemens et al.	1/30/1990	No
	44	4,899,099	Mendenhall et al.	2/6/1990	No
	45	4,900,695	Takahashi et al.	2/13/1990	No
	46	4,901,013	Benedetto et al.	2/13/1990	No
- 1	47	4,906,920	Huff et al.	3/6/1990	No
	48	4,912,822	Zdeblick et al.	4/3/1990	No
	49	4,916,002	Carver	4/10/1990	No
.	50	4,918,032	Jain et al.	4/17/1990	No
	51	4,920,639	Yee	5/1/1990	No
	52	4,928,061	Dampier et al.	5/22/1990	No
	53	4,931,726	Kasukabe et al.	6/5/1990	No
	54	4,935,694	Clarridge	6/19/1990	No
	55	4,959,515	Zavracky et al.	9/25/1990	No
	56	4,961,052	Tada et al.	10/2/1990	No
	57	4,961,709	Noschese	10/9/1990	No
	58	4,963,822	Prokopp	10/16/1990	No
	59	4,975,638	Evans et al.	12/4/1990	No
	60	4,987,781	Reimann	1/29/1991	No
	61	4,989,069	Hawkins	1/29/1991	No
	62	4,995,941	Nelson et al.	2/26/1991	No
	63	4,998,885	Beaman	3/12/1991	No
	64	5,012,187 (Previously	Littlebury et al.	4/30/1991	No
_	65	Submitted 1/26/05) 5,042,148	Tada et al.	8/27/1991	No
	66	5,055,777	Bonelli et al.	8/10/1991	No
-	67	5,056,783	Matcovich et al.	10/15/1991	No
	68	5,061,192	Chapin et al.	10/29/1991	No
	69	5,086,337	Noro et al.	2/4/1992	No
<b></b>	70	5,092,172	Overman et al.	3/3/1992	No
	70	5,095,401	Zavracky et al.	3/10/1992	No
	72	5,098,305	Krajewski et al.	3/24/1992	No
1:	73	5,098,860	Chakravorty et al.	3/24/1992	No
	74	5,103,557 (Previously	Leedy	4/14/1992	No
1	14	Submitted 7/10/02)	Locay		1.10
1	75	5,113,764	Mandigo et al.	5/19/1992	No
1 1	76	5,124,639	Carlin et al.	6/23/1992	No
<del>                                     </del>	77	5,127,837	Shah et al.	7/7/1992	No
1	78	5,130,276	Adams et al.	7/14/1992	No
/P.P./	79	5,132,613	Papae et al.	7/21/1992	No '

			U.S	. PATENT DOCUMENTS		
	aminer		U.S. Patent	Name of Patentee or	Publication Re	lated Copy
Ini	itials	No.	Document	Applicant	Date	Enclosed
			Number Kind Code <sup>2</sup>		0/45/4000	
/P.P	P./ 🔒	. 80	5,148,103 (Previously Submitted 7/10/02)	Pasiecznik, Jr.	9/15/1992	. No
		81	5,151,651	Shibata et al.	9/29/1992	No
		82	5,171,713	Matthews et al.	12/15/1992	No
		83	5,171,992	Clabes et al.	12/15/1992	No
	$\dashv$	84	5,172,050	Swapp	12/15/1992	No
<u> </u>		85	5,172,053	Itoyama	12/15/1992	No
		86	5,175,496	Collins et al.	12/29/1992	No
		87	5,177,661	Zavracky et al.	1/15/1993	No
	_	88	5,189,323	Carr et al.	2/23/1993	No
		89	5,189,777	Guckel et al.	3/2/1993	No
	_	90	5,206,983	Guckel et al.	5/4/1993	No
	+	91	5,210,485	Kreiger et al.	5/11/1993	No
		92	5,214,657	Farnworth et al.	5/25/1993	No
	+	93	5,221,415	Albrecht et al.	6/22/1993	No
	+	94	5,225,037	Elder et al.	7/6/1993	No
	1	95	5,225,777	Bross et al.	7/6/1993	No
	-	96	5,247,250	Rios	9/21/1993	No
		97	5,260,926	Kuroda et al.	11/9/1993	No
	1	98	5,262,000	Welbourn et al.	11/16/1993	No
	+	99	5,280,236	Takahashi et al.	1/18/1994	No
	1	100	5,294,039	Pai et al.	3/15/1994	No
	1	101	5,308,440	Chino et al.	5/3/1994	No
-	1	102	5,308,443	Sugihara	5/3/1994	No
	1	103	5,309,324	Herandez et al.	5/3/1994	No
	1-	104	5,313,157	Pasiecznik	5/17/1994	No
	1	105	5,321,453	Mori et al.	6/14/1994	No
		106	5,331,275	Ozaki et al.	7/19/1994	No
		107	5,338,975	Cole et al.	8/16/1994	No
		108		Cipolla et al.	8/30/1994	No
		109	5,353,498	Fillion et al.	10/11/1994	No
		110	5,354,205	Feigenbaum et al.	10/11/1994	No
		111		Evans et al.	10/11/1994	No
		112		Fan et al.	11/15/1994	No
		113		Toda et al.	11/22/1994	No
			5,367,584	Ghezzo et al.	11/22/1994	No
			5,367,585	Ghezzo et al.	11/22/1994	No
$\Box$		116		Jones et al.	12/6/1994	No
1		117		Beaman et al.	12/6/1994	No
		118		Ghezzo et al.	12/20/1994	No
		119	5,386,110	Toda et al.	1/31/1995	No
		120	5,386,341	Olson et al.	1/31/1995	No
		121	5,395,253 (Previously	Crumly	3/7/1995	No
			Submitted 7/10/02)		107/4005	
$\sqcup \!\!\! \perp$		122	5,396,066	Ikeda et al.	3/7/1995	No No
ot		123		Albrecht et al.	3/21/1995	No No
<u> </u>	/P.P./	124	5,399,415	Chen et al.	3/21/1995	No No

		U.S	. PATENT DOCUMENTS		
Examine		U.S. Patent	Name of Patentee or	Publication Related	Сору
Initials	No.	Document	Applicant	Date	Enclosed
		Number Kind Code <sup>2</sup>			
/P.P./	125	5,408,373	Bajorek et al.	4/18/1995	No
	126	5,410,259	Fujihara et al.	4/25/1995	No
	127	5,412,329 (Previously Submitted 11/25/02)	lino et al.	5/2/1995	No
	128	5,412,987	Bergstrom et al.	5/9/1995	No
	129	5,416,429	McQuade et al.	5/16/1995	No
	130	5,422,516	Hosokawa et al.	6/6/1995	No
	131	5,422,574	Kister ·	6/6/1995	No
	132	5,430,614	Difrancesco	7/4/1995	No
	133	5,434,513	Fujii et al.	7/18/1995	No
	134	5,436,504	Chakravorty et al.	7/25/1995	No
	135	5,442,282	Rostoker et al.	8/15/1995	No
.	136	5,449,903	Arney et al.	9/12/1995	No
	137	5,454,158	Fontana, Jr. et al.	10/3/1995	No
	138	5,454,904	Ghezzo et al.	10/3/1995	No
	139	5,455,390 (Previously Submitted 7/10/02)	DiStefano et al.	10/3/1995	No
	140	5,455,419	Bayer et al.	10/3/1995	No
	141	5,461,326	Woith et al.	10/24/1995	No
	142	5,463,233	Norling	10/31/1995	No
	143	5,465,009	Drabik et al.	11/7/1995	No
	144	5,467,067	Field et al.	11/14/1995	No
	145	5,467,068	Field et al.	11/14/1995	No
	146	5,471,148	Sinsheimer et al.	11/28/1995	No
	147	5,472,539	Saia et al.	12/5/1995	No
	148	5,475,280	Jones et al.	12/12/1995	No ·
	149	5,475,318 (Previously Submitted 7/10/02)	Marcus et al.	12/12/1995	No
	150	5,476,211 (Previously Submitted 7/10/02)	Khandros	12/19/1995	No
	151	5,485,304	Kaeriyama	1/16/1996	No
	152	5,489,552	Merchant et al.	2/6/1996	No
	153	5,490,034	Zavracky et al.	2/6/1996	No
1	154	5,496,668	Guckel et al.	3/5/1996	No
1 :	155		Fillion et al.	3/5/1996	No
	156		Itoyama et al.	4/23/1996	No
	157	5,513,430	Yanof et al.	5/7/1996	No
	158	5,516,418	Doss et al.	5/14/1996	No
	159	5,517,126	Yamaguchi	5/14/1996	No
	160	5,521,518 (Previously Submitted 7/10/02)	Higgins	5/28/1996	No
	161	5,521,522 (Previously Submitted 7/25/03)	Abe et al.	5/1996	No
1	162	5,531,018	Saia et al.	7/12/1996	No
	163	5,531,022	Beaman et al.	7/2/1996	No
1	164	5,532,613	Nagasawa et al.	7/2/1996	No
1	165	5,534,205	Faley et al.	7/9/1996	No
/P.P./	1	5,534,784 (Previously	Lum et al.	7/9/1996	No
· /F.P./		Submitted 7/10/02)			1

			PATENT DOCUMENTS	T D. J. P P T	Distant	Comis
Examiner			Name of Patentee or	Publication	Related	Copy Enclosed
Initials	NO. 1	Document	· Applicant	Date		Eliciosec
D D /	167	Number Kind Code <sup>2</sup> 5,548,181	Jones	8/20/1996		No
P.P./	168	5,550,406	McCormick	8/27/1996	<del>_</del>	No
	169	5,552,925	Worley	9/3/1996		No
-	170	5,557,514	Seare et al.	9/17/1996		No
	171	5,563,343	Shaw et al.	10/8/1996		No
			Guckel et al.	11/19/1996		No
	172	5,576,147	Yao	11/26/1996		No
	173	5,578,976		12/24/1996		No
	174	5,587,623	Jones	1/7/1997		No
	175	5,591,910	Lin	1/7/1997	<del></del>	No
	176	5,592,037	Sickafus			
<u> </u>	177	5,594,357	Nakajima	1/14/1997		No
	178	5,596,194	Kubena et al.	1/21/1997		No
·	179	5,596,219	Hierold	1/21/1997		No
	180	5,605,844	Oki et al.	2/25/1997		No
	181	5,613,861	Smith et al.	3/25/1997		No
	182	5,619,097	Jones	4/8/1997		No
	183	5,623,213	Liu et al.	4/22/1997		No
	184	5,624,872	Liu et al.	4/29/1997		No
	185		Ho et al.	5/13/1997		No
	186	5,632,631 (Previously Submitted 7/10/02)	Fjelstad et al.	5/27/1997		No
	187	5,633,552	Lee et al.	5/27/1997		No
	188	5,635,846	Beaman et al.	6/3/1997		No
	189	5,642,056	Nakajima et al.	6/24/1997		No
	190	5,644,177	Guckel et al.	7/1/1997		No
	191	5,645,684	Keller	7/8/1997		No
	192	5,646,464	Sickafus	7/8/1997		No
	193	5,647,785	Jones et al.	7/15/1997	•	No
	194	5,652,559	Saia et al.	7/29/1997		No
	195	5,653,019	Bernhardt et al.	8/5/1997		No
	196	5,656,552	Hudak et al.	8/12/1997		No
	197	5,657,394	Schwartz et al.	8/12/1997		No
	198	5,658,698	Yagi et al.	8/19/1997		No
	199	5,660,680	Keller	8/26/1997		No
	200	5,665,253	Kubena et al.	9/9/1997		No
	201	5,683,594	Hocker et al.	11/4/1997		No
	202		Huff	12/2/1997		No
	203		Lee et al.	12/2/1997		No
	204		Char et al.	12/9/1997		No
	205		Fredrickson	1/6/1998		No
1	206		Allen et al.	1/20/1998		No
1	207		Shaw et al.	2/17/1998		No
	208	5,736,850	Legal	4/7/1998		No
	209		Tayebati	4/14/1998		No
	210	5,742,174	Kister et al.	4/21/1998		No
	211	5,758,537	Throssel	6/2/1998		No
/P.P./	212	5,768,009	Little	6/6/1998		No

			U.S	. PATENT DOCUMENTS		
	Examiner Cite Initials No.		U.S. Patent Document Number Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date	Related Copy Enclosed
/P.P./	,	213	5,777,328	Gooch	7/7/1998	No
	T	214	5,777,329	Westphal et al.	7/7/1998	No
	T	215	5,783,905	Greschner et al.	7/21/1998	No
	T	216	5,789,753	Gooch et al.	8/4/1998	No
	$I \sqcap$	217	5,801,057	Smart et al.	9/1/1998	No
		218	5,804,983	Nakajima et al.	9/8/1998	No
		219	5,805,375	Fan et al.	9/8/1998	No
		220	5,817,201	Greschner et al.	10/6/1998	No
· 1		221	5,819,749	Lee et al.	10/13/1998	No
		222	5,829,126	Nagao et al.	11/3/1998	No
		223	5,830,372	Hierold	11/3/1998	No
		224	5,834,975	Bartlett et al.	11/10/1998	No
		225	5,841,137	Whitney	11/24/1998	No
	ĺ	226	5,846,849	Shaw et al.	12/8/1998	No
		227	5,847,454	Shaw et al.	12/8/1998	No
		228	5,847,571	Liu et al.	12/8/1998	No .
		229	5,848,685	Smith et al.	12/15/1998	No
		230	5,871,158	Frazier	2/6/1999	No
		231	5,872,459	Pasiecznik, Jr.	2/16/1999	No
		232	5,905,241	Park et al.	5/18/1999	No
		233	5,909,069	Allen et al.	6/1/1999	No
		234	5,909,280	Zavracky	6/1/1999	. No
		235	5,969,591	Fung .	10/19/1999	No
/F	P.P.	/ 236	6,650,460	Kurematsu	11/18/2003	No

				FO	REIGN PA	TENT DOCUMENTS			
Examiner C Initials N		Cite No. <sup>1</sup>	Fore Office <sup>3</sup>	ign Patent D	·	Name of Patentee or Applicant	Publication Date	Copy Enclosed	Τ <sup>6</sup>
/P.P.	./ 	237	EP	0 102 069		Nissan Motor Company, Limited	7-Mar-84	Yes	
	T	238	EP	0 331 282		Hewlett-Packard Company	6-Sep-89	Yes	
	T	239	EP	0 355 273	A1	Canon Kabushiki Kaisha	28-Feb-90	Yes	
		240	EP	0 365 151	A2	Hewlett-Packard Company	25-Apr-90	Yes	
	•	241	EP	0 404 799	B1	The Board of Trustees of the Leland Stanford Junior University	2-Jan-91	Yes	
		242	·EP	0 413 042	A1	IBM Corporation	20-Feb-91	Yes	
		243	EP	0 453 716	A2	IBM Corporation	30-Oct-91	Yes	
		244	EP	0 453 716	A3	IBM Corporation	30-Oct-91	Yes	
T		245	EP	0 480 645	B1	Canon Kabushiki Kaisha	15-Apr-97	Yes	·
1		246	EP	0 493 425	B1	British Telecommunications	8-Jul-92	Yes	
T		247	EP	0 500 980	A1	Tencor Instruments	9-Feb-92	Yes	
	/P.P	./248	EP	0 544 305	A2	Nitto Denko	2-Jun-93	Yes	

					TENT DOCUMENTS			
Examiner	Cite	For	eign Patent Docume	ent	Name of Patentee or	Publication	Сору	T⁵
Initials	No.1	Office <sup>3</sup>	Number <sup>4</sup> Kind	Code <sup>5</sup>	Applicant	Date	Enclosed	
/D D /	249	EP	0 544 305 A3		Corporation Nitto Denko	2-Jun-93	Yes	
/P.P./			·		Corporation			
	250	EP	0 665 590 B1		Canon Kabushiki Kaisha	2-Aug-95	Yes	
	251	EP	0 701 135 A1		Hughes Aircraft Company	13-Mar-96	Yes	
	252	EP	0 701 135 B1		Hughes Electronic Corporation	13-Mar-96	Yes	_
	253	EP	0 707 310 A1		Hewlett-Packard Company	17-Apr-96	Yes	
	254	EP	0 711 029 B1		Canon Kabushiki Kaisha	8-May-96	Yes	-
	255	EP	0 802 419 A2		NEC Corporation	22-Oct-97	Yes	
	256	EP	0 802 419 A3		NEC Corporation	12-Aug-98	Yes	
	257	FR	2639154		Christian et al.	18-May-90	Yes	
	258	JP	01-150862		Mitsubishi Electric Corp.	13-Jun-89	Yes	Χ
	259	JP	01-287484		Hitachi LTD	20-Nov-89	Yes	Χ
	260	JP	03-081669	_	Tokyo Kasoode Kenkyosho:KK	8-Apr-91	Yes	X
	261	JP	04-088649		Mitsubishi Electric Corp.	23-Mar-92	Yes	X
	262	JP	04-094147		Hitachi LTD	26-Mar-92	Yes	Χ
	263	JP	04-111331		Eito Kogyo:KK	13-Apr-92	Yes	<u>X</u>
	264	JP	04-360549		Nippon Denshi Zairo KK	14-Dec-92	Yes	Х
	265	JP	04-361543		Mitsubishi Electric Corp	15-Dec-92	Yes	Χ
	266	JP	05-290907		Fujitsu Ltd.	5-Nov-93	Yes	Х
	267	JP	06-027144		Silicon System Inc.	4-Feb-94	Yes	X
	268	JP	06-069294		Fuji Electric Co. Ltd.	11-Mar-94	Yes	Х
	269	JP	06-151532		Tokyo Electron Yamanashi KK	31-May-94	Yes	Х
	270	JP	06-204304		Oki Electric Ind Co Ltd	22-Jul-94	Yes	X
	271	JP	06-265577		Corp.	22-Sep-94	Yes	X
	272	JP	07-007052		Seiko-Epson Corp	10-Jan-95	Yes	_X_
	273	JP	58-162045		Telmec Co. Ltd.	26-Sep-83	Yes	Χ
	274	JP	61-272946		NEC Corporation	3-Dec-86	Yes	Х
	275	JP	63-151041		Mitsubishi Electric Corp.	23-Jun-88	Yes	X
	276	JP .	63-293934		Hitachi	30-Nov-88	Yes	Х
	277	KR .	10-0013608 (Previously Submitted 5/25/04)		Tokyo Electron co.	6-Sep-90	Yes	
/P.P	278	WO	1988/007697		British Telecommunications Public Limited Company; STANELY, lan, William SHEPHERD, John,	10-Jun-98	Yes	

			FORE	GN PA	TENT DOCUMENTS			
Examiner Initials	Cite No.1		ign Patent Docu		Name of Patentee or Applicant	Publication Date	Copy Enclosed	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup> K	ind Code⁵	Nicholas			<del>,</del>
/P.P./	279	WO	1989/007258		The Board of Trustees of the Leland Stanford Junior University	10-Aug-98	Yes	
	280	WO	1990/000735		University of Hawaii	25-Jan-90	Yes	
	281	WO	1990/008397		The Board of Trustees of the Leland Stanford Junior University	26-Jul-90	Yes	
	282	WO	1990/015517		Labinal Components & Systems, Inc.	13-Dec-90	Yes	
	283	WO	1991/005284		British Telecommunications Public Limited Company	18-Apr-91	. Yes	
	284	WO	1992/020842		Cornell Research Foundation, Inc.	16-Nov-92	Yes	÷
	285	WO	1993/018382		Kopin Corporation	16-Sep-93	Yes	
	286	WO	1994/012887		Micromodule Systems, Inc.	9-Jun-94	Yes	
	287	WO	1994/029671		DANISCH, Lee, A	22-Dec-94	Yes	
	288	WO	1997/009584		IBM Corporation	13-Mar-97	Yes	
/P.P./	289	WO	1998/026300		GGB Industries, Inc.	18-Jun-98	Yes	

	ОТ	HER PRIOR ART - NONPATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Copy Enclosed	T <sup>2</sup>
/P.P./	290	"Probe Card Stiffener With Theta Adjust," IBM Technical Bulletin (2 pages) (no publication information)	Yes	
*	291	"Ultra-Small Test Probe" (2 pages) (No publication information)	Yes	
	292	BARSOTTI C., et al. "Very High Density Probing," (Tektronix), 1988 International Test Conference, pp.608-614, (1988).	Yes	
	293	BEILEY Mark et al., "A Micromachined Array Probe Card-Characterization," IEEE Transactions on Components, Packaging, and manufacturing Tehcnology - Part B, Vol. 18, No.1, pp.184-191, February 1995.	Yes	
	294	BURNS F.C. et al., "Fixed Probe Test Adapter," Research Disclosure, No. 319, 90A064135, November 1990.	Yes	
	295	DA-YUAN Shih, "Elasticon-Integrated Probe Technology," (IBM), June 1995.	Yes	,
	296	DIETRICH T.R. et al. "Photoetchable Glass for Microsystems: tips for atomic force microscopy", J. of Micromechanics and Microengineering, ISSN: 0960-1317, Vol. 3, No. 4, pp.187-189, December 1993.	Yes	
/P.P./	297	GENIN D. et al., "Probing Considerations in C-4 Testing of IC Wafers," IBM, The International J. of Microcircuits and Electronic Packaging, (ISSN 1063-1674), Vol. 15, No. 4, pp 229-238, Fourth Quarter 1992.	Yes	

	01	THER PRIOR ART - NONPATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Copy Enclosed	T²
/P.P./	298	Hirano T. et al, "Silicon Microprobing Array for Testing and Burn-In," (IEEE), pp.89-94, July 1994.	Yes	
	299	KIEWITT D.A., "Microtool fabrication by etch pit replication." Rev. Scl. Instum., Vol.44, No.12, pp.1741-1742, 1973.	Yes	
	300	LAIL P. et al., "Chapter 5 - Interconnections and Connectors", Handbook of Electronic Package Design, pp.239-255, 1991.	Yes	
	. 301	LESLIE B. et al. "Membrane Probe Card Technology," IEEE, (1988 International Test Conference), pp.601-607, 1988.	Yes	
	302	MACHIDA K., "Interconnect Technology of the 1990s", Surface Mount Technology, pp. 3-12.	Yes	
	303	MILOSEVIC I. et al., "Straight Wall Bumps for High Lead Count Devices: Photolithography and Physical Properties", Materials Research Society Symposium Proceedings, Vol. 154, pp.425-440, 1989.	Yes	
	304	OETINGER S. et al, "Needless Probe Card," Motorola Technical Developments Bulletin, Vol. 8, pp.45-46, October 1988.	Yes	
	305	STIX Gary, "Micron Machinations", published in Scientific American, pp.72-80, November 1992.	Yes	
	306	WASSINK R.J. Klein, "Soldering In Electronics, Chapter 12.2 – Good Soldered Joints", 2nd ed., pp.647-650, 1989.	Yes	-
	307	YOUNKIN L., "Thin-Film-Hybrid Wafer-Probe Card Promises Speed and Density," Electronics Test, pp. 26-30, May 1989.	Yes	
	308	"Phicom Corporation's Amended Invalidity And Unenforceability Contentions," FormFactor, Inc. v. Phicom Corporation, United States District Court District of Oregon (Case No. 05-6062-HO)	Yes	
/P.P.	309 /	"Defendants' Patent Local Rule 3-3 Preliminary Invalidity Contentions For U.S. Patent Nos. 6,246,247, 6,509,751, 6,624,648, And 7,073,254," FormFactor, Inc. v. Micronics Japan Co. and MJC Electronics Corp., United States District Court Northern District of California (Case No. 3:06-CV-07159 JSW)	Yes	

Examiner	/Paresh Patel/	Date	01/05/2008
Signature		Considered	01/03/2008

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<sup>#</sup> Commonly owned US patent or application whose subject matter may be related to the subject matter of the instance patent application.

Modified Form PTO/SB/08A

0.1.11.1.6.6144	A (WTO)	Co	mplete If Known
Substitute for form 144		Application Number	10/034,528
	ON DISCLOSURE	First Named Inventor	Eldridge et al.
STATEMENT	T BY APPLICANT	Filing Date	December 27, 2001
(use as many	sheets as necessary)	Group Art Unit	2829
		Examiner Name	Paresh H. Patel
No. of Sheets: 9	No. of Refs.: 364	Attorney Docket No.	P6C3-US

		U.S	. PATENT DOCUMENTS			
Examine		U.S. Patent	Name of Patentee or	Publication	Related	Copy Enclosed
Initials	No.	Document Number Kind Code <sup>2</sup>	Applicant	Date		
/P.P./ <b>I</b>	1	Number Kind Code <sup>2</sup> 2,429,222	Erhardt et al.	Oct-47		No
/F.F./	2	2,923,859	Worth et al.	Feb-60	·	No
	3	3,006,067	Anderson et al.	Oct-61	······································	No
	4	3,047,683	Shlesinger, Jr.	Jul-62		No
	5	3,070,650	Stearns	Dec-62		No
	6	3,075,282	McConville	Jan-63		No
	7	3,202,489	Bender er al.	Aug-65		No
	8	3,214,563	Ford	Oct-65		No
	9	3,227,933	Punts et al.	Jan-66		No
	10	3,258,736	Crawford et al.	Jun-66		No
	11	3,266,137	DeMills et al.	Aug-66	<del></del>	No
	12	3,281,751	Blair	Oct-66		No
	13	3,286,340	Kritzler et al.	Nov-66		No
	14	3,296,692	Griffin	Jan-67		No
<del></del>	15	3,344,228	Woodland et al.	Sep-67		No
	16	3,368,114	Campbell et al.	2/6/1968	<del></del> ,	No
	17	3,373,481	Lins et al.	3/19/1968	<del></del>	No
	18	3,381,081	Schalliol	4/30/1968		No
	19	3,389,457	Goldman et al.	6/25/1968		No
	20	3,392,442	Napier et al.	7/16/1968		No
	21	3,397,451	Avedissian et al.	8/20/1968		No
	22	3,429,040	Miller	2/25/1969		No
	23	3,460,238	Christy et al.	8/12/1969		No
<del>.  </del>	24	3,467,765	Croft	9/16/1969		No
	25	3,472,365	Tiedema	10/14/1969		No
	26	3,493,858	Baron et al.	2/3/1970		No
	27	3,517,438	Johnson et al.	6/30/1970		No
	28	3,550,645	Keogh	12/29/1970		No
	29	3,555,477	Hildebrandt	1/12/1971		No
	30	3,567,846	Brorein et al.	3/2/1971		No
	31	3,569,610	Garner et al.	3/9/1971		No
	32	3,590,480	Johnson et al.	7/6/1971		No
	33	3,591,839	Evans et al.	7/6/1971		No
	34	3,623,649	Keisling -	11/30/1971		No
	35	3,636,242	Hansson	1/18/1972		No
	36	3,672,047	Sakamoto et al.	6/27/1972		No
	37	3,680,037	Nellis et al.	7/25/1972		No
/P.P		3,719,981	Steitz	3/13/1973	<u> </u>	No

Examin	orl	Cite	U.S. Patent	Name of Patentee or	Publication Rel	ated Copy
Initials		No.	Document	Applicant	Date	Enclose
miliana	'	1	Number Kind Code <sup>2</sup>			
P.P./		39	3,753,665	McCary et al.	8/21/1973	No
		40	3,795,884	Kotaka et al.	3/5/1974	No
		41	3,811,186	Larnerd et al.	5/21/1974	No
		42	3,825,353	Loro	7/23/1974	No
	H	43	3,844,909	McCary et al.	10/29/1974	No
	Н	44	3,849,872	Hubacher	Nov-74	No
	H	45	3,861,135	Seeger, Jr. et al.	1/21/1975	No
	+	46	3,862,790	Davies et al.	1/28/1975	No
-1	_	47	3,862,791	Miller et al.	1/28/1975	No
	7	48	3,871,014	King et al.	3/11/1975	No
	_	49	3,871,015	Lin et al.	3/11/1975	No
		50	3,873,173	Anhalt; John W.	3/25/1975	No
		51	3,877,064	Scheingold et al.	4/8/1975	No
		52	3,894,671	Kulicke, Jr. et al.	7/15/1975	No
-	_	53	3,900,153	Beerwerth; Wolfgang et al.	8/19/1975	No
		54	3,904,262	Cutchaw	9/9/1975	No
		55	3,917,900	Arnaudin, Jr. et al.	11/4/1975	No
一十		56	3,921,285	Krall	11/25/1975	No
	一	57	3,926,360	Moister, Jr.	12/16/1975	No
		58	-3,939,414	Roch	2/1976	No
+		59	3,939,559	Fendley et al.	2/24/1976	No
		60	3,940,676	Dudley	Feb-76	No.
	$\dashv$	61	3,940,786	Scheingold et al.	2/24/1976	No
{		62	3,982,320	Buchoff et al.	9/28/1976	No
		63	3,984,166	Hutchison	10/5/1976	No
+	-	64	3,991,463	Squitieri et al.	11/16/1976	No
	-	65	4,001,685	Roch	Jan-77	No
		66	4,003,621	Lamp	1/18/1977	No
+-	1	67	4,009,485	Koenig	2/22/1977	No
		68	4,025,143	Rozmus	5/24/1977	No
+	- 1	69	4,034,293	Roch	Jul-77	No
	-	70	4,034,468	Koopman	7/12/1977	No
+-	-	71	4,045,777	Roch	Nov-77	. No
		72	4,060,828	Satonaka	11/29/1977	No
+-		73	4,067,104	Tracy	1/10/1978	No
		74	4,080,722	Klatskin et al.	3/28/1978	No
+-	$\neg$	75	4,132,341	Bratschun	1/2/1979	No
╁		76	4,132,706	Roch	Oct-78	. No
+		77	4,139,936	Abrams et al.	2/20/1979	No
+-	-	78	4,142,288	Flammer et al.	3/6/1979	No
+-		79	4,149,135	Roespel et al.	4/10/1979	No
+-		80	4,155,615	Zimmerman, Jr. et al.	5/22/1979	No
1-		81	4,216,350	Reid	8/5/1980	No
+-		82	4,225,900	Ciccio et al.	9/30/1980	No
1-	٠.	83	4,231,154	Gazdik et al.	11/4/1980	No
<del> </del>		84	4,237,607	Ohno et al.	12/9/1980	No
/ <sub>P.</sub>	<del>D</del> 7	85	4,272,140	Lychyk et al.	6/9/1981	No

		<del></del>		PATENT DOCUMENTS	Publication	Related	Сору
Exami		Cite No.	U.S. Patent	Name of Patentee or Applicant	Date	Itelated	Enclosed
Initial	IS	1 1	Document Number Kind Code <sup>2</sup>	Applicant			
D /		86	4,278,311	Scheingold et al.	7/14/1981		No
P.P./	-	87	4,322,778	Barbour et al.	3/30/1982		No
	H	88	4,326,663	Oettel	4/27/1982		No
	H	89	4,330,165	Sado	5/18/1982		No
	Н	90	4,332,341	Minetti	6/1/1982		No
	H	91	4,354,310	Hatton	10/19/1982		No
	$\vdash$	92	4,357,062	Everett	11/2/1982		No
	$\vdash$	93	4,374,457	Wiech, Jr. et al.	2/22/1983		No
	-	94	4,402,450	Abraham et al.	9/6/1983		No
	<u> </u>	95	4,407,007	Desai et al.	9/27/1983		No
		96	4,412,642	Fisher, Jr.	11/1/1983		No
			4,417,392	Ibrahim et al.	11/29/1983		No
		97	l	Ainslie et al.	12/6/1983	<del></del>	No
		98	4,418,857	Grabbe	12/13/1983	,	No
		99	4,419,818	Elles et al.	12/27/1983		No
		100		Kurtz et al.	2/28/1984		No
		101			4/17/1984	<del> </del>	No
		102	1	Murphy van de Pas et al.	4/17/1984		No
		103	4,442,967		5/8/1984		No
		104	4,447,857	Marks et al.	6/5/1984	<del>                                     </del>	No
		105	4,453,176	Chance et al.	7/31/1984		No
		106	4,462,534	Bitaillou et al.	4/2/1985		No
		107	4,508,405	Damon et al.	4/2/1985		No
		108	4,509,099	Takamatsu et al.	4/23/1985		No
		109	4,513,355	Schroeder et al.	6/4/1985		No
		110	4,520,561	Brown	6/11/1985	<del> </del>	No
		111	4,522,893	Bohlen et al.	Jun-85	<del> </del>	No
		112	4,523,144	Okubo et al.	6/25/1985	<del> </del>	No
		113	4,525,383	Saito		<u> </u>	No
		114	4,528,500	Lightbody	7/9/1985	ļ	No No
		115	4,532,152	Elarde	7/30/1985		No
		116	4,542,438	Yamamoto	9/17/1985		
		117		Lakritz et al.	10/8/1985	<del>                                     </del>	No
		118	4,581,291	Bongianni	4/8/1986		No
		119		Wasserman	6/17/1986	<b></b>	No
		120		Kobayashi	7/1/1986		No
		121		Enochs	7/1/1986	<del> </del>	No_
		122		Hill	7/15/1986	-	No
		123		Chadwick et al.	Aug-86	<b></b>	No_
		124		Goodman et al.	12/9/1986	1	No
		125		Anhalt et al.	1/6/1987	<del> </del>	No_
		126		Hemler et al.	2/3/1987	ļ	No
1		127		Keryhuel et al.	2/3/1987		No
		128	4,642,889	Grabbe	2/17/1987		No
1		129	4,646,435	Grassauer	3/3/1987		No
		130	4,647,126	Sobota, Jr.	3/3/1987		No
1	-	131		Smith	3/3/1987	<del> </del>	No
* /F	P.,	132	4,659,437	Shiba et al.	4/21/1987	<u> </u>	No

Examiner	Cite	U.S. Patent	Name of Patentee or	Publication Related	Сору
Initials	No.	Document	Applicant	Date	Enclosed
	1	Number Kind Code <sup>2</sup>			
P.P./	133	4,661,192	McShane	4/28/1987	No
	134	4,664,309	Allen et al.	5/12/1987	No
· ·	135	4,673,967	Hingorany	6/16/1987	No
	136	4,674,671	Fister et al.	6/23/1987	No
	137	4,677,458	Morris	6/30/1987	No
	138	4,688,074	linuma	8/18/1987	No
	139	4,697,143	Lockwood et al.	Sep-87	No
1	140	4,700,473	Freyman et al.	10/20/1987	No
f	141	4,703,393	Yamamoto et al.	10/27/1987	No
	142	4,705,205	Allen et al.	11/10/1987	No
	143	4,708,885	Saito et al.	11/24/1987	No
	144	4,724,383	Hart	2/9/1988	No
	145	4,727,319	Shahriary	2/23/1998	No
	146	4,732,313	Kobayashi et al.	3/22/1988	No
	147	4,739,125	Watanabe et al.	4/19/1988	No
	148		Muller et al.	4/26/1988	No
<del></del>	149	4,746,300	Thevenin	5/24/1988	No
	150.	4,746,857	Sakai et al.	May-88	No
	151	4,751,199	Phy	6/14/1988	No
	152	4,764,723	Strid	Aug-88	No
	153		Noschese	8/30/1988	No
	154	4,777,564	Derfiny et al.	10/11/1988	No
	155	4,780,836	Miyazaki et al.	Oct-88	No
	156	4,783,719	Jamison et al.	11/8/1988	No
	157	4,784,872	Moeller et al.	11/15/1988	No
	. 158	4,807,021	Okumura	2/21/1989	No
		4,811,082	Jacobs et al.	3/7/1989	No
	159		Mehta	3/21/1989	No
	160	4,814,295	Bridges et al.	3/28/1989	No
	161	4,816,426	Rai et al.	4/4/1989	No
	162	4,818,728	Bradley	4/4/1989	No
	163	4,818,823		4/11/1989	No
		4,821,148	Kobayashi et al.	5/9/1989	No
		4,827,611	Pai et al.	5/9/1989	No
	L	4,829,153	Correy	6/27/1989	No
		4,842,184	Miller, Jr.	8/22/1989	No No
		4,858,819	Hill et al.	8/29/1989	No
		4,860,433	Norio	9/19/1989	No
		4,868,638	Hirata et al.	Sep-89	No.
		4,870,356	Tingley	10/10/1989	No
		4,873,123	Canestaro et al.	Oct-89	No
	173		Terada et al.	10/31/1989	No
		4,877,173	Fujimoto et al.		
	175		LoVasco et al.	11/7/1989	No
<u> </u>	176		Schroeder	11/7/1989	No
	177		Ogura	2/6/1990	No No
ľ	178	4,901,011	Koike et al.	Feb-90 2/27/1990	No No

Examiner	Cite	U.S. Patent	Name of Patentee or	Publication	Related	Сору
Initials	No.	Document	Applicant	Date		Enclosed
.,	1	Number Kind Code <sup>2</sup>				<u> </u>
P.P./	180	4,907,734	Conru et al.	3/13/1990		No
	181	4,914,814	Behun et al.	4/10/1990		No
	182	4,922,376	Pommer et al.	5/1/1990		No
	183	4,943,767	Yokota	Jul-90		No
	184	4,950,982	Obikane et al.	Aug-90		No
	185	4,953,834	Ebert et al.	9/4/1990	•	No
	186	4,965,515	Karasawa	Oct-90		No
	187	4,970,570	Agarwala et al.	11/13/1990		No
	188	4,975,079	Beaman et al.	12/4/1990		No
	189	4,985,676	Karasawa	Jan-91		No
	190		Ikeda	Mar-91		No
	191	5,006,688	Cross	4/9/1991		No
-	192	5,014,111	Tsuda et al.	5/7/1991		No
	193	5,024,372	Altman et al.	6/18/1991		No
	194	5,034,684	Mitsui et al.	Jul-91		No
<del>-  </del>	195	5,037,023	Akiyama et al.	8/6/1991		No
	196	5,041,901	Kitano et al.	8/20/1991		No
+	197	5,045,410	Hiesbock et al.	9/3/1991		No
	198	5,045,921	Lin et al.	9/3/1991		No
	199	5,045,975	Cray et al.	9/3/1991		No
	200	5,047,711	Smith et al.	Sep-91		No
	201	5,053,922	Matta et al.	10/1/1991		No
	202	5,059,143	Grabbe et al.	10/22/1991		No
+	203	5,059,898	Barsotti et al.	10/22/1991		No
	204	5,060,843	Yasuzato et al.	10/29/1991		No
	205	5,061,894	Ikeda	Oct-91		No
	206	5,065,281	Hernandez et al.	11/12/1991		No
-	207	5,073,117	Malhi et al.	Dec-91		No
	208	5,083,697	Difrancesco et al.	1/28/1992		No
	209	5,086,270	Karasawa et al.	Feb-92		No
	210	5,088,007	Missele et al.	2/11/1992		No
+		5,090,119	Tsuda et al.	2/25/1992		No
1	212		Ohno et al.	Feb-92		No
	213		Ikeda et al.	Feb-92		No
1		5,095,187	Gliga et al.	3/10/1992		No
1	215		Jackson et al.	3/17/1992	<u> </u>	No
1	216		Akiyama et al.	5/5/1992		No
<del> </del>	217		Hoshi	Jun-92		No
<del> </del>	218		Elder et al.	6/23/1992		No
<del> </del>	219		Jinbo	Jun-92		No
<del> </del>	220		Wei et al.	7/14/1992		No
	221	<u> </u>	Ott	Jul-92		No
<del> </del>	222		King et al.	Aug-92	T	No
ļ	223		Behun et al.	9/15/1992		No
			Schmidt et al.	9/22/1992	<del>                                     </del>	No
	224		Melton et al.	10/13/1992	<del> </del>	No
  P.F			Morlion et al.	11/17/1992	+	No

Examiner	Cite	U.S. Patent	Name of Patentee or	Publication	Related	Сору
Initials	No.	Document	Applicant	Date		Enclosed
muais	1	Number Kind Code <sup>2</sup>				
P.P./	227	5,166,603	Hoshi	Nov-92		No
	228	5,172,851	Matsushita et al.	12/22/1992		No
	229	5,198,153	Angelopoulos et al.	3/30/1993		No
	230	5,198,752	Miyata et al.	Mar-93		No
	231	5,198,755	Ikeda et al.	Mar-93		No
	232	5,200,112	Angelopoulos et al.	4/6/1993		No
	233	5,201,454	Alfaro et al.	4/13/1993		No
	234	5,202,061	Angelopoulos et al.	4/13/1993		No
	235	5,214,375	Ikeuchi et al.	May-93		No
	236	5,214,563	Estes et al.	5/25/1993		No
-	237	5,217,597	Moore et al.	6/8/1993		No
	238	5,220,277	Reitinger	Jun-93		No
	239	5,221,815	Bostock et al.	6/22/1993	<del></del>	No
	240	5,228,862	Baumberger et al.	7/20/1993		No
	241	5,230,632	Baumberger et al.	7/27/1993		No
	242	5,236,118	Bower et al.	8/17/1993		No
	243	5,239,447	Cotues et al.	8/24/1993	***	No
	244	5,246,159	Kitamura	9/21/1993		No
	245	5,258,097	Mastrangelo	11/2/1993		No
	246	5,263,246	Aoki	11/23/1993		No
	247	5,266,889	Harwood et al.	11/30/1993		No
	248	5,266,895	Yamashita	Nov-93		No
	249	5,266,912	Kledzik	11/30/1993		No
	250	5,278,442	Prinz et al.	1/11/1994		No
	251	5,278,494	Obigane	Jan-94		No
	252	5,283,104	Aoude et al.	2/1/1994		No
	253	5,285,949	Okikawa et al.	2/15/1994		No
	254	5,288,007	Interrante et al.	2/22/1994		No
}	255	5,293,073	Ono	3/8/1994		No
<del></del>	256	5,299,939	Walker et al.	4/5/1994		No
	257	5,302,891	Wood et al.	4/12/1994		No
+		5,303,938	Miller et al.	Apr-94	·····	No
	259		Yoshida et al.	5/10/1994	_	No
	260		Reed et al.	5/17/1994		No
	261		Volz et al.	5/17/1994		No
-	262		Takehashi et al.	5/31/1994	·	No
+	263		Takebuchi	Jun-94		No
1			Yamashita	Jun-94	<u> </u>	No
<del> </del>	264 265		Adamopoulos et al.	7/5/1994	<del>                                     </del>	No
<del> </del>	266	<del></del>	Saito et al.	Aug-94	<del> </del>	No
1	267		Aoude et al.	8/16/1994	<del> </del> -	No
<del>                                     </del>			Melatti et al.	Aug-94	<del> </del>	No
<b> </b>	268		Khandros et al.	9/13/1994	<del>                                     </del>	No
<del> </del>	269		Pasch	9/13/1994		No
<del> </del>	270		Comeau	Jul-94	-	No
<del> </del>	271		Love	Nov-94	<del>                                     </del>	No
1055	272 / 273		Reymond	11/22/1994	<del>  -</del>	No

Evomin	0-	Cite	U.S. Patent	Name of Patentee or	Publication	Related	Сору
Examiner Initials		No.	Document	Applicant	Date	11010100	Enclosed
		1	Number Kind Code <sup>2</sup>	, Appliodite			
ъ <u>р./</u>	_	274	5,366,589	Chang	11/22/1994		No
	H	275	5,373,627	Grebe	12/20/1994		No
	H	276	5,378,971	Yamashita	Jan-95		No
		277	5,386,344	Beaman et al.	1/31/1995		No
	ᅥ	278	5,389,873	Ishii et al.	Feb-95		No
	ᅥ	279	5,391,984	Worley	Feb-95		No
	-	280	5,393,375	MacDonald et al.	2/28/1995		No
	$\dashv$	281	5,397,997	Tuckerman et al.	Mar-95		No
	$\dashv$	282	5,399,983	Nagasawa	Mar-95		No
	ᅥ	283	5,410,162	Tsuta	Jan-96		No
<del> f</del>	+	284	5,414,298	Grube et al.	5/9/1995		No
	+	285	5,422,579	Yamaguchi	Jun-95		No
	┪	286	5,424,651	Green et al.	Jun-95		No
<del></del>	$\dashv$	287	5,436,571	Karasawa	Jul-95		No
	$\dashv$	288	5,440,241	King et al.	Aug-95	-	No
	{	289	5,444,366	Chiu	Aug-95		No
	$\dashv$	290	5,444,386	Mizumura	Aug-95		No
		291	5,446,395	Goto	Aug-95		No
	-	292	5,457,398	Schwindt et al	Oct-95		No
	$\dashv$	293	5,457,400	Ahmad et al.	Oct-95		No
		294	5,461,327	Shibata et al.	Oct-95		No
	$\dashv$	295	5,461,328	Devereaux et al.	Oct-95		No
	_	296	5,477,611	Sweis et al.	12/26/1995		No
		297	5,479,108	Cheng	Dec-95		No
	-	298	5,479,109	Lau et al.	Dec-95		No
		299	5,481,241	Caddock, Jr. et al.	1/2/1996		No
		300	5,483,175	Ahmad et al.	Jan-96		No
		301	5,489,749	DiStefano et al.	2/6/1996		No
<del> </del>		302		Distefano et al.	2/13/1996		No
-		303		Farnworth et al.	3/5/1996		No
		303	5,497,079	Yamada et al.	Mar-96		No
			5,506,498	Anderson et al.	Jul-96		No
			5,518,964	DiStefano et al.	5/21/1996		No
		307		Grube et al.	6/11/1996	<del> </del>	No
+			5,532,609	Harwood et al.	Jul-96		No
			5,532,610	Tsujide et al.	Jul-96		No
			5,532,614	Chiu Chiu	Jul-96		No
			5,534,786	Kaneko et al.	Jul-96		No
		I	5,536,909	DiStefano et al.	7/16/1996	<del>                                     </del>	No
-			5,546,375	Shimada et al.	8/13/1996	<del> </del>	No
				DiStefano et al.	8/20/1996		No
+		314	5,550,482	Sano	Aug-96	<del> </del>	No
-				DiStefano et al.	9/17/1996	<del> </del>	No
			5,557,501	Greive et al.	9/24/1996		No
		317		DiStefano et al.	9/24/1996		No
		318		Sano	Sep-96	<del>                                     </del>	No
<del></del>	_	319 / 320		Ishimoto	Oct-96	<del> </del>	No

U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.	U.S. Patent Document	Name of Patentee or Applicant	Publication Date	Related	Copy Enclosed		
/P.P./ <b>/</b>	321	Number Kind Code <sup>2</sup> 5,569,272	Reed et al.	10/29/1996		No		
IP.P.I	322	5,570,032	Atkins et al.	Oct-96		No		
/	323	5,570,504	DiStefano et al.	11/5/1996		No		
/_	324	5,585,737	Shibata	12/17/1996		No.		
	325	5,590,460	DiStefano et al.	1/7/1997	· 	No		
_/_	326	5,597,470	Karavakis et al.	1/28/1997		No		
1	327	5,601,740	Eldridge et al.	2/11/1997	Yes	No		
/P.P./	328	2001/0002341	Eldridge et al.	5/31/2001	Yes	No		

						TENT DOCUMENTS	Dublication	Сору	
Examiner Cite No.1		Cite	Foreign Patent Document		Name of Patentee or Applicant	Publication Date	Enclosed	1	
		110.	Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup>		Applicant			<del></del>	
P.P./		329	DT	2 232794			1/1/1973	Yes	X
	П	330	DT	25 08 702 A1			9/1/1976	Yes	X
		331	EP	0 508 707 A1		Texas Instruments	10/14/1992	Yes	
		332	GB	2 167 228 A		Rose	10/10/1985	Yes	
		333	JP	02-105560		NEC Corporation.	4/1/1990	Yes	Χ
		334	JP	02-181958		NEC Corporation	7/16/1990	Yes	Χ
		335	JP	03-138969		Fujitsu Ltd.	6/13/1991	Yes	Χ
		336	JP	03-142847		Hitachi LTD	6/18/1991	Yes	Χ
		337	JP	03-225946		NEC Corporation	10/1/1991	Yes	X
		338	JP	04-207047		Takao	7/29/1992	Yes	X
	$\neg$	339	JP	04-294559		Koike et al.	10/19/1992	Yes	X
	-	340	JP ·	04-355940		NEC Corporation.	9/12/1992	Yes	Х
		341	JP	54-146581		Mitsubishi Electric Corp.	11/15/1989	Yes	Х
		342	JP	56-026446		NEC Corporation.	3/14/1981	Yes	Х
		343	JP	57-152137		Hitachi Ltd	9/20/1982	Yes	X
	_	344	JP	58-009330		Toshiba Corp.	1/1/1983	Yes	Х
$\exists$		345	JP	63-221924		Mitsubishi Electric Corp.	9/14/1988	Yes	Х
		346	JР	63-63777			4/27/1988	Yes	
	-,-	347	SU	1003396		Fil, T l	2/1/1980	Yes	
+		348	wo	1991/12706	<del></del>	Leedy	8/1/1991	Yes	
$\dashv$		349	wo	1994/09513		Leedy	4/1/1994	Yes	
$\dashv$	_	350	wo	1995/34106		Fjeistad et al.	6/1/1995	Yes	
		351	wo	1996/02959	<del>                                     </del>	DiStefano et al.	7/1/1995	Yes	
		352	wo	1996/09746		Kovac et al.	9/1/1995	Yes	
	ID D	./353	wo	1997/43653	<del>                                     </del>	Fjeistad et al.	5/1/1996	Yes	

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS							
Examiner Initials	the first the contract to the contract making automorphisms of						
/P.P./	354	BRUGGER Robert, "Nickel Plating" Robert Draper Ltd. (UK), 1970.	Yes				

Appl. no. 10/034,528 IDS dated November 6, 2007

	OT	HER PRIOR ART – NONPATENT LITERATURE DOCUMENTS	Сору	T²	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
/P.P./	355	BRUSIC et al., "Copper corrosion with and without Inhibitors", J. Electrochemical Society, Vol. 138, No. 8, pp.2253-2259, August 1991.			
	356	BURBANK K.E. et al., "Automatic Test Equipment Translator Board", IBM Technical Bulletin, Vol.21, No. 9, pp.1404-1405, September 1978.	Yes		
	357	DUFFY, Electroplating Technology, Noyes Data Corporation, 1981.	Yes		
358		HARRISON D.E. et al., "Chapter 5 - Metals, Electronic Materials and Processes Handbook, 2nd Edition McGraw Hill, Inc., pp. 5.1-5.69, 1993.	Yes		
	359	HONG S. et al., "Design and Fabrication of a Monolithic High- density Probe Card for High-frequency on-wafer testing", IEEE, pp. 289-292, IEDM 1989,	Yes		
	360	LINDEN, Albert E., Printed Circuits in Space Technology: design and application, Prentice-Hall, Inc., 1962.	Yes		
	361	PITNEY, Kenneth E., Ney Contact Manual, Electrical Contacts for Low energy Uses, January 1973.	Yes		
	362	RENZ, U. "Test Probe Contact Grid Translator Board", IBM Technical Bulletin, Vol. 21, No. 8, pp.3235-3236, January 1979.	Yes		
1	363	RENZ, U., "Multipoint Test Probe for Printed Cards," IBM Technical Bulletin, Vol. 17, No. 2, pp.459-460, July 1974.	Yes		
/P.P	/ 364	WALKER et al., Elastomeric Connector for MCM and Test applications, ICEMM Proceedings, pp. 341-346, 1993.	Yes		

Examiner	/Paresh Patel/	Date	01/05/2008
Signature	IFAIESH FAIEH	Considered	0170072000

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.